Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/11/2018 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123453	-2	0.89	123478	0.88
Blue	F	SSC	125000	125415	0	1.95	126117	1.95
Blue	E	FITC	16596	16135	-3	2.92	351	20.82
Blue	D	PE	29392	28538	-3	2.01	621	16.08
Blue	B	PerCP-Cy5-5	38531	38033	-2	4.06	1161	21.97
Blue	A	PE-Cy7	26351	26728	1	7.14	649	43.73
Red	C	APC	43035	41996	-3	2.65	1578	13.11
Red	A	APC-Cy7	25611	25348	-2	2.70	878	12.59
Violet	B	V450	8803	8381	-5	4.13	464	13.86
Violet	A	V500	32560	31658	-3	3.90	739	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20535	2.72	605	8	N/A	N/A	Pass
Blue	F	SSC	56742	1.38	571	16	N/A	N/A	Pass
Blue	E	FITC	61	68.71	556	6	0.0181	164	Pass
Blue	D	PE	130	54.53	555	6	0.1371	281	Pass
Blue	B	PerCP-Cy5-5	223	51.74	658	7	0.0078	31	Pass
Blue	A	PE-Cy7	130	103.95	714	9	0.0095	17	Pass
Red	C	APC	369	28.49	601	4	0.0212	206	Pass
Red	A	APC-Cy7	214	27.49	574	3	0.0049	793	Pass
Violet	B	V450	73	62.96	482	7	0.0506	2316	Pass
Violet	A	V500	111	32.35	493	9	0.0219	514	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.97	-32.64	1.01
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.50
Red	18.89	13.60 - 20.40	N/A	N/A	29.95	30.30	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 14808

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments